

U2

abcd

Bill Eisma, Project Director  
Alstom Power, Inc.  
2800 Waterford Lake Drive,  
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USA

23<sup>rd</sup> October 2001

ALSTOM Power USA, Inc Ref : 1350030  
IPSC Ref: 01-45510  
Rugby Works Order Ref: 760R0529/01/001/001

Manufacturing Works: Rugby  
Power Station Name: Intermountain Unit 2  
Project Manager: Adrian Bramley

#### **MONTHLY CONTRACT STATUS REPORT**

PLANT: Intermountain 2 HP Retrofit for IPSC

Your Purchase Order Number : 100318 OG.

COMMITMENT: HP Inner Assembly + Rotor - Week 0209 (1st March 2002 – on site)

FORECAST: HP Inner Assembly + Rotor - Week 0209 (1<sup>st</sup> March 2002 – on site)

#### **Current Status**

This report details progress up to 22nd October 2001.

See attached programme for details.

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11 Sewell Road, Lincoln  
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Registered in England No. 476835

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**Engineering**

See attached engineering output report for details. An "I" in the status column indicates that an activity is complete and engineering information has been issued.

**Salient Material Procurement**

| <b><u>Item</u></b>       | <b><u>HP Status</u></b>  |
|--------------------------|--|
| HP Inner Cylinder Casing | Order placed (PO 302894) purchased from Zamec in Poland, Both halves received.<br>Machining commenced.<br>Current forecast for machining complete – week 0151.   |
| Rotor                    | Forging purchase order (PO 300946) placed on Saarschmiede in Germany. Forging received.<br>Pre-blade machining complete. Awaiting blading.<br>Completion date regressed to week 0201 (inc overspeed)   |
| Diaphragms               | All material received.<br>Stage 1 & 2 in work assembly.<br>Remaining stages in work machining of rims and centres.<br>Target completion week 0148 to 0151.   |
| Fixed Blades             | All blades complete.   |
| Moving Blades            | Stage 1 & 2 in work aerofoil. Forecast complete week 0145.<br>Stage 3 in work rooting. Forecast complete week 0145.<br>Stage 4 & 5 available for Nitride. Forecast complete week 0145.<br>Stage 6 & 7 at polish. Forecast complete week 0144.<br>Stage 8 in work rooting. Forecast complete week 0145. |
| Bolting                  | Inner shell bolting material info issued at week 18.<br>Order placed on Enpar (PO 303084) received. Forecast complete week 0149.<br>(PO 303083) – now due in week 0148 (Nimonic). Two weeks required for machining.  |

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|                             |   |
|-----------------------------|---|
| Heater connection materials | <p>Piston rings ordered on Cross Mfg (PO 303807).<br/>Received.</p> <p>Retaining nut forging ordered on Firth Rixon (PO 304912)<br/>Delivery due week 0144 + 4 weeks for machining.</p> <p>10" NS Pipe ordered on Eurotube (PO 305860)<br/>Delivery due week 0143 + 8 weeks for stelliting.</p> <p>Sealing ring carrier ordered on Firth Rixon (PO 305310)<br/>Delivery due week 0147 + 4 weeks to machine.</p>   |
| Inlet Materials             | <p>Piston rings ordered on Cross Mfg (PO 303634).<br/>Delivery regressed to week 0144.</p> <p>Liner forging ordered on Firth Rixon (PO 303681)<br/>Delivery forecast week 43 then stelliting reqd at Grevilles (PO 306228) delivery forecast week 0152.</p> <p>Retaining ring forging ordered on Schmiedewerk (PO 304345 #1)<br/>Delivery due week 0143.</p> <p>Guide ring forging ordered on Schmiedewerk (PO 304345 #2)<br/>Delivery due week 0143.</p> <p>Seal rings (12 off) ordered on Cross Mfg (PO 303634)<br/>Delivery due week 0146.</p> |
| Rotor Cooling Assembly      | <p>Liner, ring nut, seal ring carrier, seal rings – all received.</p> <p>Flange pipe ordered on Grevilles (PO 304702)<br/>Delivery due 0143.</p>  |
| Diaphragm Gland Rings       | <p>Gland ring material ordered on Firth Rixon (PO 303496)<br/>Delivery regressed to week 43 due to failed test. Re – heat treatment required.<br/>Despatch to TurboCare at week 0146 for modification.</p>  |
| Shaft Gland Rings.          | <p>Material received.<br/>Confirmed completion at week 0147.</p>  |
| Inlet Gland Box             | <p>Order placed on Innosman (PO 303050).<br/>Confirmed delivery week 0143.</p>  |
| Gland box deflector         | <p>Order placed on Innosman (PO 303050 # 3,4)<br/>Delivery confirmed at week 0146. Completion of manufacturing due at week 0149.</p>  |

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|----------------------------------|--|
| Lifting gear                     | Order placed on Safeway Lifting (PO 305569 # 2,3&4)<br>Delivery due week 0143. |
| Shipping frame                   | Order placed on Hagley's (PO 305656)<br>Delivery due week 0152.                |
| Bolt measuring gear              | To be issued at week 44.   |
| Instrumentation.                 | To be issued at week 37.   |
| Outer shell interface<br>details | To be issued at week 43.   |

#### Salient Material Manufacture

#### Possible Risks

Best regards,

Adrian Bramley.

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